

Fig. 1

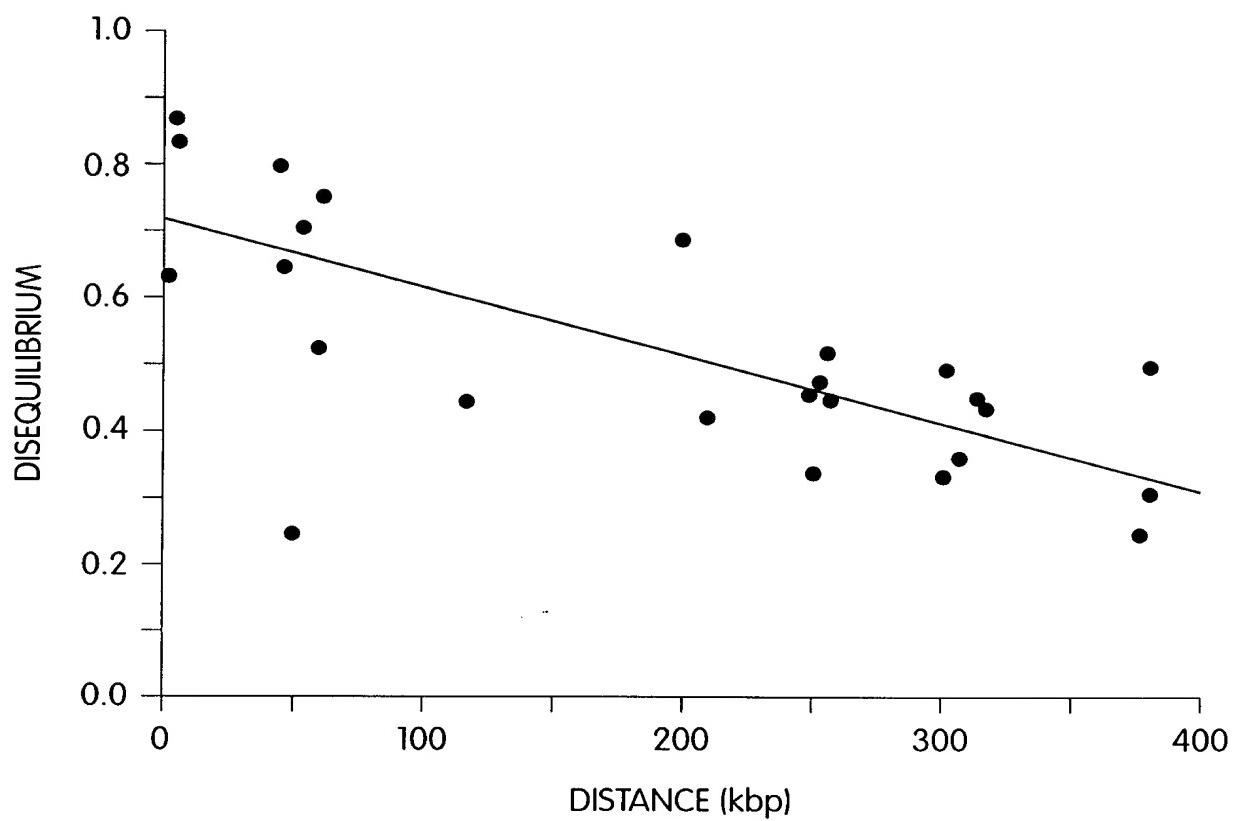


Fig. 2

-1437 AAGCTTCTAC CCTAGTCTGG TGCTACACTT ACATTGCTTA CATCCAAGTG TGGTTATTC
 -1377 TGTGGCTCCT GTTATAACTA TTATAGCACC AGGTCTATGA CCAGGAGAAT TAGACTGGCA
 -1317 TTAAATCAGA ATAAGAGATT TTGCACCTGC AATAGACCTT ATGACACCTA ACCAACCCCA
 -1257 TTATTTACAA TTAAACAGGA ACAGAGGGAA TACTTTATCC AACTCACACA AGCTGTTTC
 -1197 CTCCCAGATC CATGCTTTT TGCGTTTATT ATTTTTAGA GATGGGGGCT TCACTATGTT
 -1137 GCCCACACTG GACTAAAAT CTGGGCCCTCA AGTGTATTGTC CTGCCTCAGC CTCCTGAATA
 -1077 GCTGGGACTA CAGGGGCATG CCATCACACC TAGTTCATTT CCTCTATTAA AAATATACAT
 -1017 GGCTTAAACT CCAACTGGGA ACCCAAAACA TTCATTGCT AAGAGTCTGG TGTTCTACCA
 -957 CCTGAACTAG GCTGGCCACA GGAATTATAA AAGCTGAGAA ATTCTTTAAT AATAGTAACC
 -897 AGGCAACATC ATTGAAGGCT CATATGTAAA ATCCATGCC TTCCCTTCTC CCAATCTCA
 -837 TTCCCAAATC TAGCCACTGG TTCTGGCTGA GGCCTTACGC ATACCTCCCG GGGCTTGCAC
 -777 ACACCTTCTT CTACAGAAGA CACACCTTGG GCATATCCTA CAGAAGACCA GGCTTCTTC
 -717 TGGTCCTTGG TAGAGGGCTA CTTTACTGTA ACAGGGCCAG GGTGGAGAGT TCTCTCTGA
 -657 AGCTCCATCC CCTCTATAGG AAATGTGTTG ACAATATTCA GAAGAGTAAG AGGATCAAGA
 -597 CTTCTTGTG CTCAAATACC ACTGTTCTCT TCTCTACCCCT GCCCTAACCA GGAGCTTGTG
 -537 ACCCCAAACT CTGAGGTGAT TTATGCCCTA ATCAAGCAA CTTCCCTCTT CAGAAAAGAT
 -477 GGCTCATTTT CCCTCAAAAG TTGCCAGGAG CTGCCAGTA TTCTGCCAT TCACCCCTGGA
 -417 GCACAATCAA CAAATTACGC CAGAACACAA CTACAGCTAC TATTAGAACT ATTATTATTA
 -357 ATAAATTCTT CTCCAAATCT AGCCCCCTGA CTTCGGATT CACGATTCTC CCCTTCTCC
 -297 TAGAAACTTG ATAAGTTCC CGCGCTTCCC TTTTCTAAG ACTACATGTT TGTCACTTA
 -237 TAAAGCAAAG GGGTGAATAA ATGAACCAA TCAATAACTT CTGGAATATC TGCAAAACAC
 -177 AATAATATCA GCTATGCCAT CTTTCACTAT TTTAGCCAGT ATCGAGTTGA ATGAACATAG
 -117 AAAAATACAA AACTGAATTG TTCCCTGTAA ATTCCCCGTT TTGACGACGC ACTTGTAGCC
 -57 ACGTAGCCAC GCCTACTTAA GACAATTACA AAAGGCGAAG AAGACTGACT CAGGCTTAAG
 4 CTGCCAGCCA GAGAGGGAGT CATTTCATTG GCGTTTGAGT CAGCAAAGGT ATTGTCTCA
 64 CATCTCTGGC TATTAAGTA TTTCTGTG TTGTTTTCT CTTGGCTGT TTTCTCTCAC
 124 ATTGCCTCT CTAAAGCTAC AGTCTCTCT TTCTTTCTT GTCCCTCCCT GGTTTGGTAT
 184 GTGACCTAGA ATTACAGTCA GATTCAGAA ATGATTCTC TCATTTGCT GATAAGGACT
 244 GATTGTTT ACTGAGGGAC GGCAGAACTA GTTTCCTATG AGGGCATGGG TGAATACAAC
 304 TGAGGCTCT CATGGGAGGG AATCTCTACT ATCCAAAATT ATTAGGAGAA AATTGAAAAT
 364 TTCCAACCTC GTCTCTCTC TACCTCTGTG TAAGGCAAAT ACCTTATTCT TGTGGTGTG
 424 TTGTAACCTC TTCAAACCTT CATTGATTGA ATGCCGTGTC TGGCAATACA TTAGGTTGGG
 484 CACATAAGGA ATACCAACAT AAATAAAACA TTCTAAAAGA AGTTACGAT CTAATAAAGG
 544 AGACAGGTAC ATAGCAAACAT AATTCAAAGG AGCTAGAAGA TGGAGAAAAT GCTGAATGTG
 604 GACTAAGTCA TTCAACAAAG TTTTCAGGAA GCACAAAGAG GAGGGGCTCC CCTCACAGAT
 664 ATCTGGATTA GAGGCTGGCT GAGCTGATGG TGGCTGGTGT TCTCTGTTGC AGAAGTCAAG
 724 ATGGCCAAAG TTCCAGACAT GTTTGAAGAC CTGAAGAACT GTTACAGGTA AGGAATAAGA
 784 TTTATCTCTT GTGATTTAAT GAGGGTTCA AGGCTCACCA GAATCCAGCT AGGCATAACA
 844 GTGGCCAGCA TGGGGGCGAGG CCGGCAGAGG TTGTAGAGAT GTGTACTAGT CCTGAAGTCA
 904 GAGCAGGTTG AGAGAAGACC CAGAAAAACT AAGCATTCA CATGTTAAC TGAGATTACA
 964 TTGGCAGGGA GACCGCCATT TTAGAAAAAT TATTTTGAG GTCTGCTGAG CCCTACATGA
 1024 ATATCAGCAT CAACTTAGAC ACAGCCTCTG TTGAGATCAC ATGCCCTGAT ATAAGAATGG
 1084 GTTTACTGG TCCATTCTCA GGAAAATG ATCTCATTCA GGAACAGGAA ATGGCTCCAC
 1144 AGCAAGCTGG GCATGTGAAC TCACATATGC AGGCAAATCT CACTCAGATG TAGAAGAAAG
 1204 GTAAATGAAC ACAAAAGATAA AATTACGGAA CATATTAAAC TAACATGATG TTTCCATTAT
 1264 CTGTAGTAA TACTAACACA AACTAGGCTG TCAAAATTG GCCTGGATAT TTTACTAAGT
 1324 ATAAATTATG AAATCTGTT TAGTGAATAC ATGAAAGTAA TGTGTAAACAT ATAATCTATT
 1384 TGGTTAAAT AAAAAGGAAG TGCTTCAAA CCTTTCTTT CTCTAAAGGA GCTTAACATT
 1444 CTTCCCTGAA CTTCAATTAA AGCTCTCAA TTGTTAGCC AAGTCCAATT TTTACAGATA
 1504 AAGCACAGGT AAAGCTCAA GCCTGTCTG ATGACTACTA ATTCCAGATT AGTAAGATAT

Fig. 3

1564 GAATTACTCT ACCTATGTGT ATGTGTAGAA GTCCTTAAAT TTCAAAGATG ACAGTAATGG
 1624 CCATGTGTAT GTGTGTGACC CACAACATC ATGGTCATTA AAGTACATTG GCCAGAGACC
 1684 ACATGAAATA ACAACAATTA CATTCTCATC ATCTTATTT GACAGTAAA ATGAAGAAGA
 1744 CAGTCCCTCC ATTGATCATC TGTCTCTGAA TCAGGTAAGC AAATGACTGT AATTCTCATG
 1804 GGACTGCTAT TCTTACACAG TGGTTCTTC ATCCAAAGAG AACAGCAATG ACTTGAATCT
 1864 TAAATACTTT TGTTTACCC TCACTAGAGA TCCAGAGACC TGTCTTCAT TATAAGTGAG
 1924 ACCAGCTGCC TCTCTAAACT AATAGTTGAT GTGCATTGGC TTCTCCCAGA ACAGAGCAGA
 1984 ACTATCCAA ATCCCTGAGA ACTGGAGTCT CCTGGGGCAG GCTTCATCAG GATGTTAGTT
 2044 ATGCCATCCT GAGAAAGCCC CGCAGGCCGC TTCACCAAGGT GTCTGTCTCC TAACGTGATG
 2104 TGTTGTGGTT GTCTCTCTG ACACCAGCAT CAGAGGTTAG AGAAAGTCTC CAAACATGAA
 2164 GCTGAGAGAG AGGAAGCAAG CCAGCTGAAA GTGAGAAGTC TACAGCCACT CATCAATCTG
 2224 TGTTATTGTG TTTGGAGACC ACAAAATAGAC ACTATAAGTA CTGCCCTAGTA TGTCTTCAGT
 2284 ACTGGCTTTA AAAGCTGTCC CCAAAGGAGT ATTTCTAAAA TATTTTGAGC ATTGTTAACG
 2344 AGATTTTAA CCTCCTGAGA GGGAACTAAT TGGAAAGCTA CCACTCACTA CAATCATTGT
 2404 TAACCTATT AGTTACAACA TCTCATTGTT GAGCATGAA ATAATGAAA AAGTCTTCCT
 2464 AAAAAAATCA TCTTTTTATC CTGGAAGGAG GAAGGAAGGT GAGACAAAAG GGAGAGAGGG
 2524 AGGGAAAGCCT AATGAAACAC CAGTTACCTA AGACCAGAA GGAGATCCTC CTCACCTACCT
 2584 CTGTTGAATA CAGCACCTAC TGAAAGAACT TTCATTCCCT GACCATGAAC AGCCTCTCAG
 2644 CTTCTGTTT CCTTCCTCAC AGAAATCCTT CTATCATGTA AGCTATGGCC CACTCCATGA
 2704 AGGCTGCATG GATCAATCTG TGTCTCTGAG TATCTCTGAA ACCTCTAAA CATCCAAGCT
 2764 TACCTTCAGA GAGAGCATGG TGGTAGTAGC AACCAACGGG AAGGTTCTGA AGAAGAGACG
 2824 GTTGAGTTA AGCCAATCCA TCACTGATGA TGACCTGGAG GCCATCGCCA ATGACTCAGA
 2884 GGAAGGTAAG GGGTCAAGCA CAATAATATC TTTCTTTAC AGTTTTAACG AAGTAGGGAC
 2944 AGTAGAATT AGGGGAARAT TAAACGTGGA GTCAGAATAA CAAGAAGACA ACCAACGATT
 3004 AGTCTGGTAA CTATAACAGAG GAAAATTAAAT TTTTATCCTT CTCCAGGAGG GAGAAATGAG
 3064 CAGTGGCCTG AATCGAGAAT ACTTGCTCAC AGCCATTATT TCTTAGCCAT ATTGTAAGG
 3124 TCGTGTGACT TTAGCCTTT CAGGAGAAAG CAGTAATAAG ACCACTTACG AGCTATGTC
 3184 CTCTCATACT AACTATGCCT CCTTGGTCAT GTTACATAAT CTTTCGTGA TTCAGTTCC
 3244 TCTACTGTAA AATGGAGATA ATCAGAATCC CCCACTCATT GGATTGTTGT AAAGATTAAG
 3304 AGTCTCAGGC TTACAGACT GAGCTAGCTG GGCCCTCTG ACTGTTATAA AGATTAATG
 3364 AGTCAACATC CCCTAACTTC TGGACTAGAA TAATGTCGG TACAAAGTAA GCACCCAATA
 3424 AATGTTAGCT ATTACTATCA TTATTATTAT TATTTTATT TTTTTTTTG AGATGGAGTC
 3484 TGGCTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAACTC GGCTCACTGC AAGCTCTGCC
 3544 TCCTGGGTTT ATGCCATTCT CCTGCCTCAG CCTCCCGAGT AAGCTGGAA TACAGGCACC
 3604 CGCCACTGTT CCCGGCTAAT TTTTGTATT TTTAGTAGAG ACGGAGTTTC ACCGTGGTCT
 3664 CCATCTCCTC GTGATCCACC CACCTGGCC TCCCCAAAGTG CGGGGATTAC AGGCGTGAGC
 3724 CACCGGCCCG GGCCTATTAT TATTATTACT ACTACTACTA CTACCTATAT GAATACTACC
 3784 AGCAATACTA ATTATTAAAT GACTGGATT TGTCCTAACC TCACAAGAAT CCTACCTTCT
 3844 CATTTCACAT AAAAGGAAAC TAAGCTCATT GAGATAGGT AACTGCCAA TGGCATAACAT
 3904 CTGTAAGTGG GAGAGCCTCA AATCTAATTG AGTTCTACCT GAGTAAAAAA ATCATGGTT
 3964 CTCCTCCATC CCTTTACTGT ACAAGCCTCC ACATGAACTA TAAACCCAAT ATTCTGTGTT
 4024 TTAAGATAAT ACCTAACGCAA TAACGCATGT TCACCTAGAA GGTTTAAAAA TGTAACAAAA
 4084 TATAAGAAAA TAAAATCAC TCATATGTC AGTGAGAGTT TACTACTGCC AGCACTATGG
 4144 TATGTTTCCT TAAAATCTTT GCTATACACA TACCTACATG TGAACAAATA TGTCTAACAT
 4204 CAAGACCCACA CTATTACAA CTTTATATCC AGCTTTCTT ACTTAGCAAT GTATTGAGGA
 4264 CATTTCAGAG TGCCCGTTT TCACCAATT AAGCAATGCA ACAATGAACA TCTGTATAAA
 4324 TAAATATTCA TTTCTCTCAC CCTTTATTTC CTTAGAATAT ATTCTCTAGAA GTAGAATTTC
 4384 CCAGAGCCAT GAGGAGTTGT GACGCTATTG ATATGTGCCA CTTTGCACTC TCTGTGACAT
 4444 ATATAATTAT TTTTAATGCA TTCATTTTT TCTCAGAGTG CATCGTTG AAAACATGAA
 4504 CGGGAAATAC TGGTAGTCTT CCTTGTCACT TAGAACACCC CAAACAATGA AAAATGAAAA

Fig. 3 (cont.)

4564 AGTTGCACAA ATAGTCTCTA AAAACAATGA AACTATTGCC TGAGGAATTG AAGTTAAAA
 4624 AGAACACAT AAGCAACAAC AAGGATAATC CTAGAAAACC AGTTCTGCTG ACTGGGTGAT
 4684 TTCACCTCTC TTTGCTTCCT CATCTGGATT GGAATATTCC TAATACCCCC TCCAGAACTA
 4744 TTTTCCCTGT TTGTACTAGA CTGTGTATAT CATCTGTGTT TGTACATAGA CATTAACTG
 4804 CACTTGTGAT CATGGTTTTA GAAATCATCA AGCCTAGGTC ATCACCTTT AGCTTCCTGA
 4864 GCAATGTGAA ATACAACCTT ATGAGGATCA TCAAATACGA ATTACATCCTG AATGACGCC
 4924 TCAATCAAAG TATAATTCGA GCCAATGATC AGTACCTCAC GGCTGCTGCA TTACATAATC
 4984 TGGATGAAGC AGGTACATTA AAATGGCACC AGACATTCT GTCACTCCTCC CCTCCTTCA
 5044 TTTACTTATT TATTTATTTC AATCTTCTG CTTGCAAAAA ACATACCTCT TCAGAGTTCT
 5104 GGGTTGCACA ATTCTTCCAG AATAGCTGA AGCACAGCAC CCCCATAAAA ATCCCAGCC
 5164 AGGGCAGAAG GTTCAACTAA ATCTGGAAGT TCCACAAGAG AGAAGTTCC TATCTTGAG
 5224 AGTAAAGGGT TGTGCACAAA GCTAGCTGAT GTACTACCTC TTTGGTTCT TCAGACATTC
 5284 TTACCCCTCAA TTTAAAAACT GAGGAAACTG TCAGACATAT TAAATGATT ACTCAGATT
 5344 ACCCAGAAGC CAATGAAGAA CAATCACTCT CCTTTAAAAA GTCTGTTGAT CAAACTCACA
 5404 AGTAACACCA AACCAAGGAAG ATCTTTATTA TCTCTGATAA CATATTTGTG AGGCAAAACC
 5464 TCCAATAAGC TACAAATATG GCTTAAAGGA TGAAGTTAG TGTCCAAAAA CTTTTATCAC
 5524 ACACATCCAA TTTCATGGC GGACATGTT TAGTTCAAC AGTATACATA TTTTCAAAGG
 5584 TCCAGAGAGG CAATTGCA ATAACAAAGC AAGACTTTT CTGATTGGAT GCACTTCAGC
 5644 TAACATGTT TCAACTCTAC ATTTACAAAT TATTTGTGT TCTATTTTC TACTTAATAT
 5704 TATTTCTGCA ATTTCCCAA TATTGACATC GTGTATGTAT TTGCCATT TTAAATCACT
 5764 AGACAATTCA ATCAGGTTGC TACGTTGGTC CCTTGGGTT ACTCTAAATA GCTTGATTGC
 5824 AAATATCTT GTATATATTA TTGTTTTTC TCCTATCTG TAATTCTTT GAGCACATCC
 5884 CAAAGAGGAA TGCCTAGATC AATGGGCACA AATAATTGA CAGCTCTTAT TAAACATTAT
 5944 TCTGTAAGTA AAAACTGAAC TACTTTCA TATCACTAGC AACATATGAG TGTATCAGCT
 6004 TCCTAAACCC CTCCATGTTA GGTATTATG AACTTATGAT CTAACAAATT ACAGGGTCTT
 6064 ATCCCCTAA TGAAATTATA AGAGATTCAA CACTTATTCA GCCCGAAGG ATTCAATTCAA
 6124 CGTAGAAAAT TCTAAGAAC A TTAACCAAGT ATTTACCTGC CTAGTGAGTG TGGAAGACAT
 6184 TGTGAAGGAC ACAAAAGATGT ATAGAATTCC ATTCCTGACT TCCAGGTATT TACACCATAG
 6244 GTGGGGACCT AACTACACAC ACACACACAC ACACACACAC ACACACACAC ACCATGCACA
 6304 CACAATCTAC ATCAACACTT GATTTATAC AAATACAATG AATTACTTT CTTTTGGTT
 6364 CTTCTCTTCA CCAGTGAAT TTGACATGGG TGCTTATAAG TCATCAAAGG ATGATGCTAA
 6424 AATTACCGTG ATTCTAAGAA TCTCAAAAC TCAATTGTAT GTGACTGCC AAGATGAAGA
 6484 CCAACCAGTG CTGCTGAAGG TCAGTTGTC TTTGCTCCA ACTTACCTTC ATTTACATCT
 6544 CATATGTTG TAAATAAGCC CAATAGGCAG ACACCTCTAA CAAGGTGACA CTGTCCTCTT
 6604 TCCTTCCTAC CACAGCCCCC ACCTACCCAC CCCACTCCCA TTGATTCCAG AGGCGTGCCT
 6664 AGGCAGGATC TATGAGAKAA TATAACAGAG AGTAAGAGGA AAATTACCTT CTTTCTTTT
 6724 CCTTTCCCTG CCTGACCTTA TTCACCTCCC ATCCCAGAGC ATCCATTAT TCCATTGATC
 6784 TTTACTGACA TCTATTATCT GACCTACACA ATACTAGACA TTAGGACAAT GTGGCCTGCC
 6844 TCCAAGAAC TCAAATAAGC CAACTGAGAT CAGAGAGGAT TAATCACCTG CCAATGGCA
 6904 CAAAGCAACA AGCTGGGAGC CAAGTCCAA ATGGGGCCT GCTGCTTCCA GTTCCCCCTCT
 6964 CTCTGCATTG ATGTCAGCAT TATCCTCGT CCCAGTCCG TCTCCACTAC CACTTTCCCC
 7024 CTCAAACACA CACACACACA ACAGCCTTAG ATGTTTCTC CACTGATAAG TAGGTGACTC
 7084 AATTGTAAG TATATAATCC AAGACCTCT ATTCCCAAGT AGAATTATG TGCCTGCCTG
 7144 TGCTTTCTA CCTGGATCAA GTGATGTCTA CAGAGTAGGG CAGTAGCTTC ATTCAATGAAAC
 7204 TCATTCAACA AGCATTATTC ACTGAGAGCC TTGTATTTT CAGGCATAGT GCCAACAGCA
 7264 GTGTGGACAG TGGTGCATCA AAGCCTCTAG TCTCATAGAA CTTAGCTTC TGGAGGATAT
 7324 GGAAAACAGA CAACCCAAAC AACCAACAA AGAGCAAGAT GCTGCAAAAAA AAAAAAAAT
 7384 GAATAGGGTG CTAAGATAGA GAAAAGGGG AGAGTGTAT TTAGACAAAG TGGTAAAC
 7444 AAAGCCCCCT GTGAGATGAG AGCTGCCGAC AGAGGGGGCG GGTCAATGGTT GTGGGTTTTT
 7504 GGGTAGGACA TTCAGAGGAG GGGGCGGGTC GTGGTTGTGG GTTTTGGGT AGGACATTCA

Fig. 3 (cont.)

7564 GAGGAGGGGG CGGGTCGTGG TTGGGGTTT TTGGGTAGGA CATTCAAGGG AGGGGGCGGG
 7624 TCGTGGTTGT GGGTTTTGG GTAGGACATT CAGAGGAGGG GGCAGGTCGT GGTTGTGGGT
 7684 TTTTGGGACA TTCAGAGGAG TCTGAATGCA CCCAGGCCTA CAACTTCAG ATGGTAAAGG
 7744 ACAGCTCCAA GGATCAGAAC AAGCATTCTT GGAACGGGG CATTGAGA AGGAGGAAAA
 7804 ATATGCAGAG ACTAGTGCTT GCAGAGCTTG CATTTGGATT TCATTTGAGG TACAATGAAA
 7864 ACCCATTAAT GGGTTTCACA CAGTGAATG GCCTGACCTC ACTTATATT CCTAAATAG
 7924 AAAACAGATC AGAAGGAAGG CAATAGAGAA GCAGAAAGTC CAATGAGGAG GTTCACAGC
 7984 AGTCATGGGG GTGGGGTAAG GAAAAGAAGT GGAAAGAAC AGACAGAATT GGGTTATATT
 8044 TTGGAGATAG AACCAACAGA AGGAAGAGGA GAAACACAT TTACTGAGAA GGGAAAAAGT
 8104 AGGAGAGGAA TAGGTTGGG AAATAAATCC TGCTGACATT GGAAACCCCAGAAGGCCTC
 8164 AAAAGTATAT TTACTTGCTT TAGATTTAAA AGAATAGGAA AGAACATCT CAACTTGGAA
 8224 TTTGAAATCT ATTTTCAT AAAAGTATTG TTAAATTCTA CTCATACTCA CAAGAAAAGT
 8284 ACATTCTAAA GAGTATATTG AAAGAGTTA CTGATATACT TAGGAATTT GTGTGTATGT
 8344 GTGTGTGT GTGTGTGT GTGTGTTAA CCTTCATTG TTGACTTAA TACTGAGATA
 8404 AATGTCATCT AAATGCTAAA TTGATTTCCC AAAGGTATGA TTTGTTCACT TGGAGATCAA
 8464 AATGTTAGG GGGCTTAGAA TCACTGTAGT GCTCAGATT GATGCAAAT GTCTTAGGCC
 8524 TATGTTGAAG GCAGGACAGA AACAAATGTT CCCTCCTACC TGCTGGATA CAGTAAGATA
 8584 CTAGTGTAC TGACAATCTT CATAACTAAT TTAGATCTCT CTCATCAAA CTAAGGAAAT
 8644 CAACTCTTAT TAATAGACTG GCCACACAT CTACTAGGCA TGAAATAAT GCTTGTGAA
 8704 TGAACAAATG AATGAAGAGC CTATAGCATC ATGTTACAGC CATAGTCCTA AAGTGGTGT
 8764 TCTCATGAAG GCCAAATGCT AAGGGATTGA GCTTCAGTCC TTTTCTAAC ATCTTGTCT
 8824 CTAACAGAAT TCTCTTCTT TCTTCATAGG AGATGCCGA GATAACAAA ACCATCACAG
 8884 GTAGTGAGAC CAACCTCCTC TTCTCTGGG AAAACTCACGG CACTAAGAAC TATTCACAT
 8944 CAGTTGCCCA TCCAAACTTG TTTATTGCCA CAAAGCAAGA CTACTGGGTG TGCTTGGCAG
 9004 GGGGCCACC CTCTATCACT GACTTCAGA TACTGGAAA CCAGCGTAG GTCTGGAGTC
 9064 TCACTTGTCT CACTTGTGCA GTGTTGACAG TTCAATATGTA CCATGTACAT GAAGAAGCTA
 9124 AATCCTTAC TGTTAGTCAT TTGCTGAGCA TGACTGAGC CTTGTAATTCAAAATGAATG
 9184 TTACACTCT TTGTAAGAGT GGAACCAACA CTAACATATA ATGTTGTTAT TTAAAGAAC
 9244 CCCTATATTG TGCACTAGTAC CAATCATTG AATTATTATT CTTCATAACA ATTTAGGAG
 9304 GACCAGAGCT ACTGACTATG GCTACCAAAA AGACTCTACC CATATTACAG ATGGGAAAT
 9364 TAAGGCATAA GAAAACAAAG AAATATGCAC AATAGCAGTT GAAACAAGAACCCACAGACC
 9424 TAGGATTCA TGATTTCACT TCAACTGTT GCCTTCTGCT TTAAGTTGC TGATGAACTC
 9484 TTAATCAAAT AGCATAAGTT TCTGGGACCT CAGTTTATC ATTTCAAAATGGAGGAAT
 9544 AATACCTAAG CCTCCTGCC GCAACAGTT TTTATGCTAA TCAGGGAGGT CATTGGTA
 9604 AAATACTTCT CGAAGCCGAG CCTCAAGATG AAGGCAAAGC ACGAAATGTT ATTTTTAAAT
 9664 TATTATTAT ATATGTATT ATAATATAT TTAAGATAAT TATAATATAC TATATTATG
 9724 GGAACCCCTT CATCCTCTGA GTGTGACCAAG CAGTCTCCA CAATAGCAGA CAGTGTGTT
 9784 TGGGATAAGT AAGTTGATT TCATTAATAC AGGGCATTGTT GGTCCAAGTT GTGCTTATCC
 9844 CATAGCCAGG AAACCTCTGCA TTCTAGTACT TGGGAGACCT GTAATCATAT AATAAATGTA
 9904 CATTAAATTAC CTTGAGCCAG TAATTGGTCC GATCTTGAC TCTTTGCCA TTAAACTTAC
 9964 CTGGGCATTG TTGTTCACT CAATCCACC TGCAATCAAG TCCTACAAGC TAAAATTAGA
 10024 TGAACCTAAC TTTGACAACC ATGAGACCACT TGTTATCAAA ACTTTCTTT CTGGAATGTA
 10084 ATCAATGTTT CTTCTAGGTT CTAAAAATTG TGATCAGACC ATAATGTTAC ATTATTATCA
 10144 ACAATAGTGA TTGATAGAGT GTTATCAGTC ATAACATAAAT AAAGCTTGCA ACACAAATTCT
 10204 CTGACACATA GTTATTCACT GCCTTAATCA TTATTTACT GCATGGTAAT TAGGGACAAA
 10264 TGGTAAATGT TTACATAAAT AATTGTATT AGTGTACTT TATAAAATCA AACCAAGATT
 10324 TTATATTCTT TTCTCCTCTT TGTTAGCTGC CAGTATGCAT AAATGGCATT AAGAATGATA
 10384 ATATTCCGG GTTCACTTAA AGCTCATATT ACACATACAC AAAACATGTG TTCCCATCTT
 10444 TATACAAACT CACACATACA GAGCTACATT AAAAACAACT AATAGGCCAG GCACGGTGGC
 10504 TCAGACCTGT AATCCCAGCA CTTTGGGAGG

Fig. 3 (cont.)

-1933 AGAAAGAAAG AGAGAGAGAA AGAAAAGAAA GAGGAAGGAA GGAAGGAAGG AAGAAAGACA
 -1873 GGCTCTGAGG AAGGTGGCAG TTCCTACAC GGGAGAACCA GTGGTTAATT TGCAAAGTGG
 -1813 ATCCTGTGGA GGCANNAGA GGAGTCCCCT AGGCCACCCA GACAGGGCTT TTGCTATCT
 -1753 GCAGGCCAGA CACCAAATT CAGGAGGGCT CAGTGTAGG AATGGATTAT GGCTTATCAA
 -1693 ATTACACAGGA AACTAACATG TTGAAACAGCT TTTAGATTTC CTGTGGAAAATAACTAC
 -1633 TAAAGATGGA GTTCTTGTA CTGACTCCTG ATATCAAGAT ACTGGGAGCC AAATTAAGAA
 -1573 TCAGAAGGCT GCTTGGAGAG CAAGTCCATG AAATGCTCTT TTCCCACAG TAGAACCTAT
 -1513 TTCCCTCGTG TCTCAAATAC TTGCACAGAG GCTCACTCCC TTGGATAATG CAGAGCGAGC
 -1453 ACGATAACCTG GCACATACTA ATTTGAATAA AATGCTGTCA AATTCCCATT CACCCATTCA
 -1393 AGCAGCAAAC TCTATCTCAC CTGAATGTAC ATGCCAGGCA CTGTGCTAGA CTTGGCTCAA
 -1333 AAAGATTCA GTTTCCTGGA GGAACCAGGA GGGCAAGGTT TCAACTCAGT GCTATAAGAA
 -1273 GTGTTACAGG CTGGACACGG TGGCTCACGC CTGTAATCCC AACATTTGGG AGGCCGAGGC
 -1213 GGGCAGATCA CAAGGTCAGG AGATCGAGAC CATCCTGGCT AACATGGTGA AACCCCTGTCT
 -1153 CTACTAAAAAA TACAAAAAAAT TAGCCGGCG TTGGCGGAG GTGCCTGTAG TCCCAGCTGC
 -1093 TGGGGAGGCT GAGGCAGGAG AATGGTGTGA ACCCGGGAGG CGGAACCTGC AGGGGGCCGA
 -1033 GATCGTGCCTA CTGCACCTCA GCCTGGCGA CAGAGTGAGA CTCTGTCTCA AAAAAAAAAA
 -973 AAAAGTGT TA TGATGCAGAC CTGTCAAAGA GGCAAAGGAG GGTGTTCTA CACTCCAGGC
 -913 ACTGTTCAT A CCTGGACTC TCATTCAATT TACAAATGGA GGGCTCCCCT GGGCAGATCC
 -853 CTGGAGCAGG CACTTTGCTG GTGTCCTCGGT TAAAGAGAAA CTGATAACTC TTGGTATTAC
 -793 CAAGAGATAG AGTCTCAGAT GGATATTCTT ACAGAAACAA TATTCCCAC TTTCAGAGTT
 -733 CACCAAAAAA TCATTTAGG CAGAGCTCAT CTGGCATTGA TCTGGTTCAT CCATGAGATT
 -673 GGCTAGGGTA ACAGCACCTG GTCTTGCAGG GTTGTGTGAG CTATCTCCA GGGTTGCC
 -613 AACTCCGTCA GGAGCCTGAA CCCTGCATAC CGTATGTTCT CTGCCCCAGC CAAGAAAGGT
 -553 CAATTCTC CTCAGAGGCT CCTGCAATTG ACAGAGAGCT CCCGAGGCAG AGAACAGCAC
 -493 CCAAGGTAGA GACCCACACC CTCAATACAG ACAGGGAGGG CTATTGGCCC TTCATTGTAC
 -433 CCATTATCC ATCTGTAAGT GGGAAAGATT CTAAACTAA GTACAAAGAA GTGAATGAAG
 -373 AAAAGTATGT GCATGTATAA ATCTGTGTGT CTTCCACTT GTCCCCACATA TACTAAATT
 -313 AAACATTCTT CTAACGTGGG AAAATCCAGT ATTTTAATGT GGACATCAAC TGCACAAACGA
 -253 TTGTCAGGAA ACAATGCAT ATTTGCATGG TGATACATT TGCAAAATGTG TCATAGTTG
 -193 CTACTCTTG CCCTTCCATG AACCAAGAGAA TTATCTCAGT TTATTAGTCC CCTCCCTAA
 -133 GAAGCTTCCA CCAACTCTT TTCCCCTT CTTTAACCTT GATTGTGAAA TCAGGTATT
 -73 AACAGAGAAA TTTCTCAGCC TCCTACTTCT GCTTTGAAA GCTATAAGAA CAGCGAGGGA
 -13 GAAACTGGCA GATACCAAAC CTCTCGAGG CACAAGGCAC AACAGGCTGC TCTGGGATT
 48 TCTTCAGCCA ATCTTCATTG CTCAAGTATG ACTTTAACCT TCCTTACAAC TAGGTGCTAA
 108 GGGAGTCTCT CTGTCTCTC GCCTCTTTGT GTGTATGCAT ATTCTCTCTC TCTCTCTCTT
 168 TCTTCCTCTG TCTCTCCTCT CCTTCCTCTC TGCTCCTCT CTCAGCTTT TGCAAAATG
 228 CCAGGTGTA TATAATGCTT ATGACTCGGG AAATATTCTG GGAATGGATA CTGCTTATCT
 288 AACAGCTGAC ACCCTAAAGG TTAGTGTCAA AGCCTCTGCT CCAGCTCTCC TAGCCAATAC
 238 ATTGCTAGTT GGGGTTGGT TTAGCAAATG CTTTTCTCTA GACCCAAAGG ACTTCTCTT
 308 CACACATTCA TTCATTACT CAGAGATCAT TTCTTGCAT GACTGCCATG CACTGGATGC
 468 TGAGAGAAAT CACACATGAA CGTAGCCGTC ATGGGAAAGT CACTCATTT CTCCTTTTA
 528 CACAGGTGTC TGAAGCAGCC ATGGCAGAAG TACCTGAGCT CGCCAGTGAATGATGGCTT
 588 ATTACAGGTC AGTGGAGACG CTGAGACAG TAACATGAGC AGGTCTCCTC TTTCAAGAGT
 648 AGAGTGTAT CTGTGCTTGG AGACCAGATT TTTCCCTAA ATTGCCTCTT TCAGTGGCAA
 708 ACAGGGTGCC AAGTAAATCT GATTAAAGA CTACTTCCC ATTACAAGTC CCTCCAGCCT
 768 TGGGACCTGG AGGCTATCCA GATGTGTGT TGCAAGGGCT TCCTGCAGAG GCAAATGGGG
 828 AGAAAAGATT CCAAGCCCAC AATACAAGGA ATCCCTTGC AAAGTGTGGC TTGGAGGGAG
 888 AGGGAGAGCT CAGATTTAG CTGACTCTGC TGGGCTAGAG GTTACCGCTC AAGATCCAAC
 948 AGGGAGCACC AGGGTGCCA CCTGCCAGGC CTAGAATCTG CCTCTGGAC TGTTCTGCGC

Fig. 4

1008 ATATCACTGT GAAACTTGCC AGGTGTTCA GGCAGCTTG AGAGGCAGGC TGTTCAGT
 1068 TTCTTATGAA CAGTCAGTC TTGTACACAG GGAAGGAAAA ATAAACCTGT TTAGAAGACA
 1128 TAATTGAGAC ATGCCCTGT TTTTATTACA GTGGCAATGA GGATGACTTG TTCTTGAAG
 1188 CTGATGGCCC TAAACAGATG AAGGTAAGAC TATGGGTTA ACTCCAACC CAAGGAAGGG
 1248 CTCTAACACA GGGAAAGCTC AAAGAAGGGA GTTCTGGGCC ACTTTGATGC CATGGTATTT
 1308 TGTTTAGAA AGACTTAAC CTCTTCAGT GAGACACAGG CTGCACCACT TGCTGACTG
 1368 GCCACTGGT CATCATATCA CCACAGTCAC TCACTAACGT TGGTGGTGGT GGCCACACTT
 1428 GGTGGTGACA GGGGAGGAGT AGTGATAATG TTCCCATTTC ATAGTAGGAA GACAACCAAG
 1488 TCTTCAACAT AAATTGATT ATCCTTTAA GAGATGGATT CAGCCTATGC CAATCACTG
 1548 AGTTAAACTC TGAAACCAAG AGATGATCTT GAGAACTAAC ATATGTCTAC CCCTTTGAG
 1608 TAGAATAGTT TTTGCTACC TGGGGTGAAG CTTATAACAA CAAGACATAG ATGATATAAA
 1668 CAAAAAGATG AATTGAGACT TGAAAGAAAA CCATTCACCT GCTGTTGAC CTTGACAAGT
 1728 CATTTCACCC GCTTGGACC TCATCTGAA AATAAAGGGC TGAGCTGGAT GATCTCTGAG
 1788 ATTCCAGCAT CCTGCAACCT CCAGTTCTGA AATATTTCA GTTGTAGCTA AGGGCATTG
 1848 GGCAGCAAAT GGTCAATTTC CAGACTCATC CTTACAAAGA GCCATGTTAT ATTCCCTGCTG
 1908 TCCCTCTGT TTTATATGAT GCTCAGTAGC CTTCTAGGT GCCCAGCCAT CAGCCTAGCT
 1968 AGGTCAGTTG TGCAAGTTGG AGGCAGCCAC TTTCTCTGG CTTTATTTA TTCCAGTTG
 2028 TGATAGCCTC CCCTAGCCTC ATAATCCAGT CCTCAATCTT GTTAAAACA TATTCTTTA
 2088 GAAGTTTAA GACTGGCATA ACTTCTGGC TGCAGCTGTG GGAGGAGCCC ATTGGCTGT
 2148 CTGCCTGCC TTTGCCCCCCC ATTGCCTCTT CCAGCAGCTT GGCTCTGTC CAGGCAGGAA
 2208 ATTCTCTCCT GCTCAACTTT CTTTGTGCA CTTACAGGTC TCTTAACTG TCTTCAAGC
 2268 CTTTGAACCA TTATCAGCCT TAAGGCAACC TCAGTGAAGC CTTAATACGG AGCTTCTG
 2328 AATAAGAGGA AAGTGGTAAC ATTTCACAA AAGTACTCTC ACAGGATTG CAGAATGCCT
 2388 ATGAGACAGT GTTATGAAA AGGAAAAAAA AGAACAGTGT AGAAAAATTG AATACTTGCT
 2448 GAGTGAGCAT AGGTGAATGG AAAATGTTAT GGTCACTGTC ATGAAAAGC AAATCATAGT
 2508 GTGACAGCAT TAGGGATACA AAAAGATATA GAGAAGGTAT ACATGTATGG TGTAGGTGGG
 2568 GCATGTACAA AAAGATGACA AGTAGAATCG GGATTTATTTC TAAAGAATAG CCTGTAAGGT
 2628 GTCCAGAAGC CACATTCTAG TCTTGAGTCT GCCTCTACCT GCTGTGTGCC CTTGAGTACA
 2688 CCCTTAACCT CCTTGAGCTT CAGAGAGGGA TAATCTTTT ATTTATTTT ATTTATTTT
 2748 GTTTGTTTT GTTTGTTTT GTTTATGAG ACAGAGTCTC ACTCTGTTGC CCAGGCTGGA
 2808 GTGCAGTGGT ACAATCTTGG CTTACTGCAT CCTCCACCTC CTGAGTTCAA GCGATTCTCC
 2868 TTCCTCAGTC TCCTGAATAG CTAGGATTAC AGGTGCACCC CACCACACCC AGCTAATTT
 2928 TGTATTTTA GTAGAGAAGG GGTTCGCCA TGTTGGCCAG GCTGTTTGTG AAGTCCTGAC
 2988 CTAAATGATT CATCCACCTC GGCTCCCAA AGTGTGGGA TTACAGGCAT GAGCCACAC
 3048 GCCTGGCCA GAGAGGGATG ATCTTGTAA GCTCGGGATT CTTCAAGCC CTTCTCTCCT
 3108 CTCTGAGCTT TCTACTCTCT GATGTCAAAG CATGGTCTCT GGCAGGACCA CCTCACCAAG
 3168 CTCCCTCCCT CGCTCTCTCC GCAGTGTCTC TTCCAGGACC TGGACCTCTG CCCTCTGCAT
 3228 GGCAGCATCC AGCTACGAAT CTCCGACCAC CACTACAGCA AGGGCTTCAG GCAGGCCGCG
 3288 TCAGTTGTTG TGGCCATGGA CAAGCTGAGG AAGATGCTGG TTCCCTGCC ACAGACCTTC
 3348 CAGGAGAATG ACCTGAGCAC CTTCTTCCC TTCATCTTG AAGAAGGTAG TTAGCCAAGA
 3408 GCAGGCAGTA GATCTCCACT TGTGTCTCT TGGAAGTCAT CAAGCCCCAG CCAACTCAAT
 3468 TCCCCCAGAG CCAAAGCCCT TTAAAGGTAG AAGGCCAGC GGGGAGACAA AACAAAGAAG
 3528 GCTGGAAACC AAAGCAATCA TCTCTTGT GGAAACTATT CTTAAAGAAG ATCTTGATGG
 3588 CTACTGACAT TTGCAACTCC CTCACTCTT CTCAGGGGCC TTCACTTAC ATTGTCACCA
 3648 GAGGTTCGTA ACCTCCCTGT GGGCTAGTGT TATGACCATC ACCATTTAC CTAAGTAGCT
 3708 CTGTTGCTCG GCCACAGTGA GCAGTAATAG ACCTGAAGCT GGAACCCATG TCTAATAGT
 3768 TCAGGTCCAG TGTCTTAGC CACCCCACTC CCAGCTTCAT CCCTACTGGT GTTGTACATCA
 3828 GACTTTGACC GTATATGCTC AGGTGTCTC CAAGAAATCA AATTGGCCA CCTCGCCTCA
 3888 CGAGGCCCTGC CCTCTGATT TTATAACCTAA ACAACATGTG CTCCACATT CAGAACCTAT
 3948 CTTCTCGAC ACATGGGATA ACGAGGCTTA TGTGCACGAT GCACCTGTAC GATCACTGAA

Fig. 4 (cont.)

4008 CTGCACGCTC CGGGACTCAC AGCAAAAAAG CTTGGTGATG TCTGGTCCAT ATGAACTGAA
 4068 AGCTCTCCAC CTCCAGGGAC AGGATATGGA GCAACAAGGT AAATGGAAAC ATCCTGGTT
 4128 CCCTGCCTGG CCTCCTGGCA GCTTGCTAAT TCTCCATGTT TAAACAAAG TAGAAAGTTA
 4188 ATTTAAGGCA AATGATCAAC ACAAGTGAAA AAAATATTA AAAAGGAATA TACAAACTTT
 4248 GGTCTAGAA ATGGCACATT TGATTGCACT GGCCAGTGCA TTTGTTAACAA GGAGTGTGAC
 4308 CCTGAGAAAT TAGACGGCTC AAGCACTCCC AGGACCATGT CCACCCAAGT CTCTGGCA
 4368 TAGTGCAGTG TCAATTCTTC CACAATATGG GGTCTTGA TGGACATGGC CTAACTGCCT
 4428 GTGGGTTCTC TCTCCTGTT GTTGAGGCTG AAACAAGAGT GCTGGAGCGA TAATGTGTCC
 4488 ATCCCCCTCC CCAGTCTTCC CCCCTTGGCC CAACATCCGT CCCACCCAAT GCCAGGTGGT
 4548 TCCTTGTAGG GAAATTTAC CGCCCGAGCAG GAACTTATAT CTCTCCGCTG TAACGGGCAA
 4608 AAGTTTCAAG TGCAGGTGAAC CCATCATTAG CTGTGGTGAT CTGCCTGGCA TCGGCCACA
 4668 GTAGCCAAAG CCTCTGCACA GGAGTGTGGG CAACTAAGGC TGCTGACTTT GAAGGACAGC
 4728 CTCACTCAGG GGGAAAGCTAT TTGCTCTCAG CCAGGCCAAG AAAATCCTGT TTCTTTGGAA
 4788 TCGGGTAGTA AGAGTGTAC CAGGGCCTCC AATTGACACT GCTGTGACTG AGGAAGATCA
 4848 AAATGAGTGT CTCTCTTGG AGCCACTTTC CCAGCTCAGC CTCTCCTCTC CCAGTTCTT
 4908 CCCATGGGCT ACTCTCTGTT CCTGAAACAG TTCTGGTGC TGATTCTGG CAGAAGTACA
 4968 GCTTCACCTC TTTCCTTCC TTCCACATTG ATCAAGTTGT TCCGCTCCTG TGGATGGCA
 5028 CATTGCCAGC CAGTGACACA ATGGCTTCCT TCCCTCCTC CTTCAGCATT TAAAATGTAG
 5088 ACCCTCTTC ATTCTCCGTT CCTACTGCTA TGAGGCTCTG AGAAACCCCT AGGCCTTGA
 5148 GGGGAAACCC TAAATCAACA AAATGACCC GCTATTGTCT GTGAGAAGTC AAGTTATCCT
 5208 GTGTCTTAGG CCAAGGAACC TCACTGTGGG TTCCCACAGA GGCTACCAAT TACATGTATC
 5268 CTACTCTCGG GGCTAGGGGT TGGGGTGACC CTGCATGCTG TGTCCCTAAC CACAAGACCC
 5328 CCTTCTTCT TCAGTGGTGT TCTCCATGTC CTTGTACAA GGAGAAGAAA GTAATGACAA
 5388 AATACCTGTG GCCTTGGGCC TCAAGGAAAA GAATCTGTAC CTGTCCTGCG TGTGAAAGA
 5448 TGATAAGCCC ACTCTACAGC TGGAGGTAAG TGAATGCTAT GGAATGAAGC CCTTCTCAGC
 5508 CTCCTGCTAC CACTTATTCC CAGACAATT ACCTTCTCCC CGCCCCCATC CCTAGGAAA
 5568 GCTGGGAACA GGTCTATTG ACAAGTTTG CATTAAATGTA AATAAATTAA ACATAATTAA
 5628 TAACTGCGTG CAAACCTCAA TCCTGCTGCA GAAAATTAAA TCATTTGCC GATGTTATTA
 5688 TGTCTACCA TAGTTACAAC CCCAACAGAT TATATATTGT TAGGGCTGCT CTCATTGAT
 5748 AGACACCTTG GGAAATAGAT GACTTAAAGG GTCCCATTAT CACGTCCACT CCACTCCAA
 5808 AATCACCACC ACTATCACCT CCAGCTTCT CAGCAAAGC TTCATTTCCA AGTTGATGTC
 5868 ATTCTAGGAC CATAAGGAAA AATACAATAA AAAGCCCTG GAAACTAGGT ACTTCAAGAA
 5928 GCTCTAGCTT AATTTCACC CCCCCAAAAA AAAAAAATTC TCACCTACAT TATGCTCTC
 5988 AGCATTGGC ACTAAGTTTT AGAAAAGAAG AAGGGCTCTT TTAATAATCA CACAGAAAGT
 6048 TGGGGGCCA GTTACAAC TCGAGTCTGG CTCCCTGATCA TGTGACCTGC TCGTCAGTT
 6108 CCTTCTGGC CAAACCAAAG AACATTTTCC CATAGGCAT CTTGTCCCT TGCCCCACAA
 6168 AAATTCTTCT TTCTCTTCG CTGCAGAGTG TAGATCCCAA AAATTACCCA AAGAAGAAGA
 6228 TGGAAAGCG ATTGTCTTC AACAAAGATAG AAATCAATAA CAAGCTGGAA TTTGAGTCTG
 6288 CCCAGTCCC CAACTGGTAC ATCAGCACCT CTCAAGCAGA AAACATGCC GTCTCCTGG
 6348 GAGGGACCAA AGGCGGCCAG GATATAACTG ACTTCACCAT GCAATTGTG TCTTCTAA
 6408 GAGAGCTGTA CCCAGAGAGT CCTGTGCTGA ATGTGGACTC AATCCCTAGG GCTGGCAGAA
 6468 AGGGAACAGA AAGGTTTTG AGTACGGCTA TAGCCTGGAC TTTCCTGTT TCTACACCAA
 6528 TGCCCAACTG CCTGCCTTAG GGTAGTGTCA AGAGGATCTC CTGTCATCA GCCAGGACAG
 6588 TCAGCTCTCT CTTTCAGGG CCAATCCCCA GCCCTTTGT TGAGCCAGGC CTCTCTCACC
 6648 TCTCCTACTC ACTTAAAGCC CGCTGACAG AAACCACGGC CACATTTGGT TCTAAGAAC
 6708 CCTCTGTCAAT CGCTCCAC ATTCTGATGA GCAACCGCTT CCCTATTAT TTATTTATT
 6768 GTTGTGTTGT TTTGATTCAAT TGGTCTAATT TATTCAAAGG GGGCAAGAAG TAGCAGTGTG
 6828 TGTAAAAGAG CCTAGTTTT AATAGCTATG GAATCAATTCA AATTGGACT GGTGTGCTCT
 6888 CTTTAAATCA AGTCCTTAA TTAAGACTGA AAATATATAA GCTCAGATTA TTTAAATGGG
 6948 AATATTATAA AATGAGCAAAT TATCATACTG TCAATGGTT CTGAAATAAA CTTCACTGAA

Fig. 4 (cont.)

7008 GAAAAAAA AAAGGGTCTC TCCTGATCAT TGACTGTCTG GATTGACACT GACAGTAAGC
7068 AACACGGCTG TGAGAGTTCT TGGGACTAAG CCCACTCCTC ATTGCTGAGT GCTGCAAGTA
7128 CCTAGAAATA TCCTTGGCCA CCGAAGACTA TCCTCCTCAC CCATCCCTT TATTCGTTG
7188 TTCAACAGAA GGATATTCAAG TGCACATCTG GAACAGGATC AGCTGAAGCA CTGCAGGGAG
7248 TCAGGACTGG TAGAACAGC TACCATGATT TATCTATCAA TGCACCAAAC ATCTGTTGAG
7308 CAAGCGCTAT GTACTAGGAG CTGGGAGTAC AGAGATGAGA ACAGTCACAA GTCCCTCCTC
7368 AGATAGGAGA GGCAGCTAGT TATAAGCAGA ACAAGGTAAC ATGACAAGTA GAGTAAGATA
7428 GAAGAACGAA GAGGAGTAGC CAGGAAGGAG GGAGGAGAAC GACATAAGAA TCAAGCCTAA
7488 AGGGATAAAC AGAACAGATTTC CACACATGGG CTGGGCAAT TGGGTGTCGG TTACGCCTGT
7548 AATCCCAGCA CTTTGGGTGG CAGGGGCAGA AAGATCGCTT GAGCCCAGGA GTTCAAGACC
7608 AGCCTGGCA ACATAGTGAG ACTCCCATCT CTACAAAAAA TAAATAAATA AATAAAACAA
7668 TCAGCCAGGC ATGCTGGCAT GCACCTGTAG TCCTAGCTAC TTGGGAAGCT GACACTGGAG
7728 GATTGCTTGA GCCCAGAAGT TCAAGACTGC AGTGAGCTTA TCCGTTGACC TGCAGGTCGA
7788 C

Fig. 4 (cont.)

-5988 GTCGACCTGC AGGTCAACGG ATCTGAGAGG AGAGTAGCCTT CTTGTAGATA ACAGTTGGAT
 -5928 TATATACCAT GTCCTGATCC CCTTCATCAT CCAGGAGAGC AGAGGTGGTC ACCCTGATAG
 -5868 CAGCAAGCCT GGGGGCTGCA GCTTGGTGGG TAGAGGTACT CAGGGGTACA GATGTCTCCA
 -5808 AACCTGTCCT GCTGCCTTAG GGAGCTTCTA ATAAGTTGAT GGATTGGTT AAAATTAAC
 -5748 TGGCTACTTG GCAGGACTGG GTCACTGAGG ACCAACAAAA AGAAGACATC AGATTATACC
 -5688 CTGGGGGTTT GTATTTCTTG TGTTCTTC TCTTCTTGT ACTAAAATAT TTACCCATGA
 -5628 CTGGGAAAGA GCAACTGGAG TCTTTGAGC ATTATCTTAG CAAAATTTA CAAAGTTGG
 -5568 AAAACAATAT TGCCCATATT GTGTGGTGTG TCCTGTGACA CTCAGGATTG AAGTGTGGC
 -5508 CGAAGCCACT AAATGTGAGA TGAAGCCATT ACAAGGCAGT GTGCACATCT GTCCACCAA
 -5448 GCTGGATGCC AACATTCAC AAATAGTGTGTCGACAC AAATGCAGTT CCAGGAGGCC
 -5388 CAAATGAAA TGTTGTACT GAAATTGTT AAAGCTCCC GACAAACTAG ATTTATCAGT
 -5328 AAGGATTGTT TTCTGCAAGG GGGATGAAAC TTGTGGGGTG AGCCATTGG GCTGAGGAGG
 -5268 AGGGAGGTTG GAGCTGAGAA ATGTGGAGAC AATTCCTT TAGAAGGACT GAATCTCC
 -5208 GCCTCTCTGG GGTGCGGCAG CCAGCAGGAT CCAATGGTGT ATATGTCTCC CCAGCTCCCC
 -5148 ATTCACTGAT ATCATGTCA TAGCTGAAA TTATCCGTGG TGGGAGTATT ATGTATGGA
 -5088 AATTGGCAAA TGGAAACTTT TATTGGAGAT TCAATTGTTA AACTTTTAC AGCACAC
 -5028 TGCCCTGCCT TCAGAGTCAA TGACCCATAC CAAGTTAAT CCATCTGTCC ACTGTCTCCA
 -4968 ACACGATCTT TATAAAACAC ACCTGACAAC ATTACCTTT TATTCACTTT TTTAAAAGAT
 -4908 AAGTTTCAG CTCATCGGGG TGGCTTTAAA GCCATTCT CCTCTGGACC TCACCCAACT
 -4848 TTTCAAATCA CTTTCCTAC CCCTACCTCT AAATGCTACT CAAACTCCAG CCATCCTGAA
 -4788 TAATAAGACT TTTGAAAAGT AGATTATGGG CTGGGCACAG TGGCTCACAC CTGTAATCCC
 -4728 AGCACTTGG GAGGCCAAGA TGGGTGGATC ACCTGAGGTC GGGAGTTCGA GACCAGCTG
 -4668 ACTAACATAG TGAAACCTG TCTCTACTAA AAATACAAAA TTAGTTGGG GTGGTGGCAC
 -4608 AAGCCTGTAA TCCCAGCTAC TCAGGAGGTT GAGGCAGGGG AATTGCTTGA ACCTGGGAGG
 -4548 CGGAGGTTGC GGTGAGCCTA GATTGCTCCA CTGCACTCCA GCCTGGGCAA CAAGAGCGAA
 -4488 ACTCCATCTC AAAAAAATAA ATAATAAAAT AAAGTAGATT ACATCAGATA CCTCTGGCCT
 -4428 AGGTTGTTA TGACCAACTC TCCTGCTGAG AATAACTAGA AAAGCTAGAC AAAACATATT
 -4368 TCCAAAAGAT CTCTTGGAG GCATCAGAGA ATGGCCAAGG CTGTAAGGAA CTGCCTGAGC
 -4308 CCAGAGAGGT GGAGCCCAGC ACTGGTGCCTC TTTACTCTG GGGACATGTG CTGGTTCAA
 -4248 AAACCTCAGC TGAGCTTTG AGCATTCTAG GAACTTGGT GGGGAGATGA AATTGTACC
 -4188 TTAAATCCTG CCTACAGGGG GGGTCCCTGA TAATCCCCAC CCAATTGGG AATCTGGTC
 -4128 AGCCTTCACA GGTACTGAAG CCCTCCCTG ATGATCTCA AGTCTGCTA GGGTAGAGGT
 -4068 TACCTGCTTT TGAAAGGCTC CTGGCTTAC TGTGCAGCAG GAGCAAAAGT GAACCATCTC
 -4008 AGGGTACAGA TAACAATCAT CCAGAGCCTT GAATGACCTC TACTGTGCTT AATATATAGT
 -3948 ATTCACTGAGT CAGAAAAAG GATTAGGCA CATGCAAGAT GACCTGTGTA TCAGGGAGAA
 -3888 ATAGGCAATA AATTGAGATC CAGCAGGGAT TTGAATCATG GATTGAATC AGGGCAGCC
 -3828 TTCGAAAGAA CTATGGAGAA TATACTCAGA TTTAAAACAT AAGATTGGAA TTTTGGCAG
 -3768 AGAACTAAC AACTGTACAAA AAAGGAACCA AATGGAAATC CTAGAACTGA AAGATGCAAT
 -3708 TAACCGATGT TGAGAAATAG CCAACATCTA TTGAACACTT CCCATGTGGA CAGCTGTGCT
 -3648 AAACACTTTA CAGGCATCAA CATAAGATGT GTCCCCCTAC AGCAGTGCAG TGTCCCTCCT
 -3588 AAGACATGGA CAGCCTGGTT TCCCTATCTC TCTGCTTCT CAAAACCCCT TTACGTGGGG
 -3528 CTTAGACACT CCTGTTGTCT CTAGTGTCTA GTAGCACAGG GCTCAGCACA TGGAAAGCCAC
 -3468 TAGATACAAT TTGATGACCA GGACCTCCGA TGAAAGCCAT GGGTGTGAT TGGGAAGGCA
 -3408 TTGTCTTTA TGTGCTATGG TCTTAAAGCT TCATCCAGGA AGCAGAACTC GGGGGGTGCT
 -3348 GAGGACCCAG AACCGAGAAT AAGATTAGTC AGAGATTTCC TGTGGGCAGA AATCATAAGG
 -3288 ACGCCAACCTG TTTGGGTGAG ATAAGACGAA ACCAAGAGTG GACTGTGGC CAGAACGCTG
 -3228 AGGAAGAGGG AGAGAGCTTC CCTTGTCCTT TTTCTTCCTC TCCCTAAGCC ACAGTGATTG
 -3168 ACAGCCCCCCC CGCTTGGAG TCAGAGCAGG CTTGAGACTG GACTGGGAAA GGAGGGTGGG
 -3108 TCAGGATACA GAGCAGGAAG GCTGGGAGTG CAGGGCAGGA GCAAGGGCT GGGGCATTCA
 -3048 TTGTGCCTGA TCTCTCCAC TTTACCTGGG GTAAAGAAGC ATATGAAAAA GCCACGGTGT

Fig. 5

-2988 GAGTATTTC CAAAGTGCAG GGTCAAGGGCA TGATTCATCA CGTGCAGCAT TTCATTCAAT
 -2928 CCTTATAGTA ACCGATGATG TGGCTTCTAT TATTAGCTCT ATCAGATAAT GAAACTGAGA
 -2868 CCAAGACAGG CTCTGCACAT TGTGTGGGGT AATGACACAG GGGGATTCAAG ACCTAGACTC
 -2808 CATAACTCCT GCCCCCAGGGGA CCACCCCCAC CCTCACCTG TGATGTGCA CAAAGGACAG
 -2748 ACTGGGCCAC TTCTCAGGAC ACAGCGGGGA AATGACACAG AGCAGGGAGG TTCCAGGAGC
 -2688 CCCGAGCGTC TTTTCTCCAG GAGAATACTC TCTGAATTCA GACTGGGGTC AGAGAAACAT
 -2628 TTACCCAGGA GCCGCAGTGT GGGTGGGGCT TTTTACTTGA AACGCTGTCT GAAGGCAGTG
 -2568 GCAGGATGAA CTCTCCACCC TACCTTGGCA AGCCACTCT CTTCTGCAAT CTGTAAGGAC
 -2508 ATTGTTGAGA GAATTATGGT CTTCCAATT CCGGAGGGTTG AAGAAAAGACA AATAGGAGAG
 -2448 AACCTATCAT AGTCAGGTGC TAGCTGCCTT CTCTTTCAGA GAGTGTGAGA ATAAAGTGT
 -2388 ACACTTGATT ATTAGCAAAT ACTTTGGAAA TTTTAAACGC TAATATTCAA CACACTCTGG
 -2328 AAGAGGCAAA TAAGTAGACA GGTTCATATA CATCATCTCC TTCAAGCTAGT CCTCACAAAA
 -2268 ACAAACAAAT GAATAAACAA AATTCTTCTT TGGCCCTCAT AGGAAGACAC TGTTTCTTGA
 -2208 ACGTGTTCA AAAAGGATGG GTGACTCACT CAAGGTCACA CTGTTTATGA GGACAGTACA
 -2148 GGAATACAGA CATGCCATT TGCCTGAAAA AATCCATCAC CCAGGGAGGT GACACAATTT
 -2088 TGCAAGAAATG TTCTATTTC TCTGAAGGAT ACATTCTTAA AACCTTTGGG AAATTCAATT
 -2028 ATAGTCTTCC TCCTTTGAAG GATTACTCTC TGGACACAAA GTGTTTGATT CTGATTGTT
 -1968 GGTTGGAAGA TGTGTTGGTT GAGAGAAAGA TTCTGATTG TTGTTGAAA ATAGACTCAT
 -1908 CAAGATCAAC TGCTGTAGTA GTAAATATT TGACATTTC TCTGTATTCC TGTGCTGCC
 -1848 TCACAAGCTG CATCACCTTG AGTGAAGTCAT TCATACTTT TTGTTTGT TTGTTTGGGA
 -1788 GATGGAGTCT TACTCTGTG CCTAGGCTGG AGTGCGGTGG CGTGATCTG GCTCACTGCG
 -1728 ACCTCCATCT CCTGGGTTCA AGTGAATCCTC CTGCCCTCAGC CTCCCGAGTA GCTGGGATTA
 -1668 CAGGCACATG CCACCATCCC TGCTAATT TGCAATTTCAGA AGTCAATTGTT
 -1608 TGTTGGTCAG GTTGGTCTTG AACTCCTGAC CTCAGGTGAT CCGCCCCACCT CAGCCTCCCC
 -1548 AAGTGCTGGG ATTACAGGTG TGAGCCACCG TGCCCAGCCC AGCCATCATT TTTGAAACAC
 -1488 GTTTGAGAAA TAGTGTCTC CTTTGAGGGC CAAGGAGACA TTTTTTTGT TTATTGTTTT
 -1428 GTTTTGTGA GGACTAGCTG AAGGGGGTGA TGTATATTAA CCTGCCTACT TATTGCTC
 -1368 TTCCCAGAGT GTGATGAATA TTAGGGTTA AAGTTCTGA AGCATTTGTT AATAAAAGCCC
 -1308 GGGGCTGGAG GTCAGAAGAC CTGGATTTC TGTGATACTT TTGCCATCAG CAAGCTGTGT
 -1248 GACCTTGGAC AGATCCCTT TTTGCTAAA TCTTCTGAG TCTTCTTGAA AACAAATGCCA
 -1188 GGTTGGGACA GGATGATTGC CAAGCTCCCG TCCAGCTCTA AAACACTGCA ACGTATGCTT
 -1128 CTGCACCAGC ACTGTCCATC CTGTAGATCA TGCAGAAATT CTCTTCAACT TTTTCCCTACC
 -1068 CATAAAATAG GAGCATGCTT ACCTTTTCC TAATGTTCCA GGGCCCCGGGT CTAGATATTG
 -1008 TAAGTAAGGA AGTTAATGTG TATCAGAGCC CATTATGGGC CAGAAGTTCT CCTCTTCCCT
 -948 CCTACACCTG CTTCCCTCCCT CCCTCCCTCC CTCTTCCCT TCTTCTCTTC CATCCATTG
 -888 TGAAGAAGAC ATGATCACCC TCATCTGAG AGTGAAGAGA CAGAGGCTCA ACTAATGAAA
 -828 TGATTTGTT AAGGTACAC GGGTGGCACA AGGCAAGTGG CAGAGGTTGA ATTTAGACCC
 -768 ATTCCCTGTCC AAATGCTGAG TTTATGTCT CGTCCCGAGA CCATAACTTT AAAGATGTA
 -708 GATAGTGGGA AAAGAGTTGA TTTCAAAGCA CCTCTCAGAA GGACTCACTT TACATCAGGG
 -648 GTCAGCAGAC TCAGGCCAAA TCCGGTCCAT TCCCCGCTT TGCAAAGAAA GTTGTAGTGG
 -588 AACACAGCTA GGCTTATTGA TTTATGGATT GCCAACGTCC TTTTGTGAAA CAGACAGCTG
 -528 AGCTGAGTAA TCGTGGCGCA CAAAACCTAA AATATTACT ATCTCGTCCT TTACAGAATG
 -468 TTTGCCAATC TATGGTCCCG AGTCCAAGGC TGTCCATT TT TCAAAGAAC CAAAGTGACA
 -408 TGAGACTGTC CCATGTGCAG GGAGCCCTAT CATTCTTATTA TGARAAAACG GCCTTCTGC
 -348 TCAAATCTGT TTTTAAAAA GTCAACAAAC AGACTCTGGG TACCTGTCA GAACAGTAGG
 -288 GAGTTGGTT TCCATTGTGC TCTTCTTCCC AGGAACCTAA TGAAGGGGAA ATAGAAATCT
 -228 TAATTGTTGGG GAAATTGCAC AGGGGAAAAA GGGGAGGGAA TCAGTTACAA CACTCCATTG
 -168 CGACACTTAG TGGGGTTGAA AGTGAACAACA GCAAGGGTTT CTCTTTTGG AAATGCGAGG
 -108 AGGGTATTTC CGCTTCTCGC AGTGGGGCAG GGTGGCAGAC GCCTAGCTG GGTGAGTGAC
 -48 TATTCTTTA TAAACCACAA CTCTGGGCC CCAATGGCAG TCCACTGCTT GCTGCAGTCA

Fig. 5 (cont.)

13 CAGAATGGAA ATCTGCAGAG GCCTCCGCAG TCACCTAAC ACTCTCCTCC TCTTCCTGTT
 73 CCATTCAAGAG ACGATCTGCC GACCCTCTGG GAGAAAATCC AGCAAGATGC AAGCCTTCAG
 133 GTAAGGCTAC CCCAAGGGAGG AGAAGGTGAG GGTGGATCAG CTGGAGACTG GAAACATATC
 193 ACAGCTGCCA GGGCTGCCAG GCCAGAGGGC CTGAGAACTG GGTTTGGGCT GGAGAGGATG
 253 TCCATTATTCA AAGAAAGAGG CTGTTACATG CATGGGCTTC AGGACTTGTG TTTCAAATA
 313 TCCCAGATGT GGATAGTGC GACCGGAGGGC TGTCTTACTT TCCCAGAGAC TCAGGAACCC
 373 AGTGAGTAAT AGATGCATGC CAAGGAGTGG GACTGCGATT CAGGCCTAGT TGAATGTGCT
 433 GACAGAGAAG CAGAGAGGGG CACCAGGGC ACAGCCCGAA GGCCCAGACT GATATGGCA
 493 AGGCCTGTCT GTGCTGACAT GTCGGAGGGT CCCACTCTCC AGGGACCTTG GTTCCCCGT
 553 CTGTGACATC TGTCAGATGA GAGTCACGAT AACCTCTTGT GTGCCTTACA GGGTTGTTGT
 613 GAAAATTAAA TGACAGATA ATAGCGTAAC AGTATTCCGT GCATTGTAAA GAGCCTGAAA
 673 ACCATTATGA TTGAAAATG GAATCGGCTT TGTGAGACCA TCACTATTGT AAAGATGTGA
 733 TGCTGATAGA AATGACAGGA CTGCTTGTGC ATGCCCTCTG CAGTGTGACA TTCCAGCAGT
 793 GAAATCATGT TGGGGTGA TCTCCCCCAC TCTGACCTTT ATGTTGTCT GGGCCGAGGC
 853 TGCAAGTCGG GCTCTGTGGG TGTATGAGTG ACAAGTCTCT CCCTTCCAGA TATGGGACT
 913 GTCTGCTTCC TAGGTTGCC TCTCCCTGCT CTGATCAGCT AGAAGCTCCA GGAGATCCTC
 973 CTGGAGGCC CAGCAGGTGA TGTTTATCCC TCCAGACTGA GGCTAAATCT AGAAACTAGG
 1033 ATAATCACAA ACAGGCCAAT GCTGCCATAT GCAAAGCACT TTGGTTGCC TGGCCACCCCC
 1093 TCGTCGAGCA TGTGGGCTCT TCAGAGCACC TGATGAGGTG GGTACAGTTA GCCACACTTC
 1153 ACAGGTGAAG AGGTGAGGCA CAGGTCCCAG GTCAGGCTGG CCGGAGCTCT GTTATTACG
 1213 TCTCACAGCT TTGAGTCCTG CTCTCAACCA GAGAGGCCCT TTACCAAGAA GAAAGGATTG
 1273 GGACCCAGAA TCAGGTCACT GGCTGAGGTA GAGAGGAAGC CGGGTTGTC CCAAGGGTAG
 1333 CTGCTCCTGC AGGACTCTGA GCAGGTCAACC AGCTAATGGA GGAAAGGCTC TAGGGAAAGA
 1393 CCCTCTGGT CTCAGACTCA GAGCGAGTTA GCTGCAAGGT GTTCCGTCTC TTGAAACTTC
 1453 TACCTAGGTG CTATGGTAGC CACTAGTCTC AGGTGGCTAT TTAAATTAT ACTTAAATGA
 1513 ATGAAAATAG AAGAAAATTT AAAATCCAGA CCCTGGTCA CACTATCCAC ATTAAAGAG
 1573 GTCAATAGCC ACATGTGGTT AGTGGCCACC CTATTGGCA GTGCAGCTAC AGAACATTT
 1633 TGCATCCCAG AAAGTTCTT TGGATGTTGC TGCTCTACAG CATGTTTGC TGAAACAGAA
 1693 GTGCCCTCCC TGGGAATCTC AGATGGGAAG CAAGTAAGGA GGGGAGTCAA ATGTGGCTC
 1753 ACTGCTCACC AGCTGTGAGG GTTGGGCCTG CCTCTTAACC ATTGTCAAGC TCAGTCTTCT
 1813 CATCCATGCA TGCCGTGGT ATACTAAAAT ACTATACCCC TGGAAAGAGCT GGATGCAAAT
 1873 TTGACAAGTT CTGGGGGACA CAGGAAGGTG CCAAGCACAA GGCTGGGCAC ATGGTGGCTG
 1933 TGCACTACAG CTGAGTCCTT TTCTTTCA GAATCTGGGA TGTTAACAG AAGACCTCT
 1993 ATCTGAGGAA CAACCAACTA GTTGCTGGAT ACTTGCAAGG ACCAAATGTC AATTAGAAG
 2053 GTGAGTGGTT GCCAGGAAAG CCAATGTATC TGGGCATCAC GTCACTTGC CCGTCTGTCT
 2113 GCAGCAGCAT GGCTGCTG CACAAACCT AGGTGCAATG TCCTAATCCT TGTTGGTCT
 2173 TTGTATTCAA GTTTGAAGCT GGGAGGGCCT GGCTACTGAA GGGCACATAT GAGGGTAGCC
 2233 TGAAGAGGGT GTGGAGAGGT AGAGTCTAGG TCAGAGGTCA GTGCCTATAG GCAAGTGGTC
 2293 CCAGGGCCAC AGCTGGGAAG GGCAAATACC AGAAGGCAAG GTTGACCATT CCCTCCTCA
 2353 AGTGCCTATT AAGGCTCCAT GTTCTATGT TGTTCAAACC CTAACTCAAT CCCAAATTAA
 2413 TCCACCATGT ATAAGGTTGA GCTATGTCTC TTATTCTGG ACACCATACT CAGCCATATC
 2473 TGGTCCACAC ATTAACAGCT GGATGACCTT GAAGAAGCTT CACCCACTCT GTTCCTCAGC
 2533 TTTCCCTTCA GTGGGATGAT ATCAACTGGA CAACAGGATG TGCGATTCTT TTAGTCCAG
 2593 CCTTCCAGGA TGTTTCACT CCCCTGTTG TTGTTGAGG ATGGTATTAC CTCCACCTTC
 2653 CCACCTTCCC TATGCCCTGG TTCTGCTCC TGTGCCTCGC TCTGAAAGTG GATGAGACCT
 2713 ACAATTCTG TCCTGGTAGT TCTCTTAATG AACACACTGA AGCACGAGGA AGCTGAGATT
 2773 TTGTTGCTA CATGAGAGCA TGGAGGCCTC TTAGGGAGAG AGGAGGTTCA GAGACTCCTA
 2833 GGCTCCTGGT GGAGCCCCAC TCATGGCCTT GTTCATTTC CCTGCCCTC AGCAACACTC
 2893 CTATTGACCT GGAGCACAGG TATCCTGGGG AAAGTGAAGG AAATATGGAC ATCACATGGA

Fig. 5 (cont.)

2953 ACAACATCCA GGAGACTCAG GCCTCTAGGA GTAACTGGGT AGTGTGCATC CTGGGGAAAG
 3013 TGAGGGAAT ATGGACATCA CATGGAACAA CATCCAGGAG ACTCAGGCCT CTAGGAGTAA
 3073 CTGGGTAGTG TGCATCCTGG GGAAAGTGAG GGAAATATGG ACATCACATG GAACAACATC
 3133 CAGGAGACTC AGGCCTCTAG GAGTAACTGG GTAGTGTGCA TCCTGGGGAA AGTGAGGGAA
 3193 ATATGGACAT CACATGGAAC AACATCCAGG AGACTCAGGC CTCTAGGAGT AACTGGGTAG
 3253 TGTGCTTGGT TTAATCTTCT ATTACCTGC AGACCAGGAA GATGAGACCT CTCTGCCCTT
 3313 CTGACCTCGG GATTTAGTT TTGTGGGGAC CAGGGGAGAT AGAAAATAC CCGGGGTCTC
 3373 TTCATTATTG CTGCTTCCTC TTCTATTAAC CTGACCCCTCC CCTCTGTTCT TCCCCAGAAA
 3433 AGATAGATGT GGTACCCATT GAGCCTCATG CTCTGTTCTT GGGAAATCCAT GGAGGGAAAGA
 3493 TGTGCCTGTC CTGTGTCAAG TCTGGTGATG AGACCAGACT CCAGCTGGAG GTAAAAACAT
 3553 GCTTTGGATC TCAAATCACC CCAAACCCA GTGGCTGAA ACAACCAAAA TTTTTCTTA
 3613 TGATTCTGTG GGTTGACCAAG GATTAGCTGG GTAGTTCTGT TCCATGTGGT GGAACATGCT
 3673 GGGGTCACTT TGGAAAGCTGC ATTCAGCAGA GTGCCAGGCT TGCGCTGGGC ATCCAAGGTG
 3733 GTCCCTCATC CTCCAGGCTC TCTTTCCATG TGATCTCTCA GTGTTTAAGA GTTAGTTGGA
 3793 GCTTCCTTAC AGCATGGCGG CTGACTTCCA AAAGGGATTA TTCCAAAAG AGCCTCAACA
 3853 TGCAAGCGCT TATTATGACT TCTGCTTGCA TCATCCTATT GGCCAAAGGCC AGTCACGTGG
 3913 CTAAGTCTAG CCCCTGTGA GAGGAGACTG CATAAGAGTG TGAACACCAG GAGACACGGT
 3973 CACTGGGGC CACCCTGTA ACCATCTACC ACAGGACCTG AATCTCTGTG TGCTACTCCC
 4033 TTGCTCAAGG GCCCCCCCTAC CCACCGAGAC CTGCTGTCTT CTAGCAAAGC CCATCCTCAG
 4093 GACCTTCTC TTCCAATCCT TATTGACTCA AATTGATTAG TTGGTGTCTC ACCCAGAGCC
 4153 CTGTGCTCT TTATCTCATG TAATTTAAAT GGGTTTCCCA GCCCTGGGAA AACATGGCTT
 4213 TGTCTCAGGG GCTTGCTGGA TGCAACCTTA ACCTCAATGT GAGTGGCCAT ACTGTGGCAC
 4273 TGTCCCACATCC CTCACCAGGG ACACGTGTTCT GGAGGGTGAC TGCGCTGTTCT GTGAGGAGTG
 4333 GGGATGGCTA GGACATTGCA TGGAACACAC CACCACCCCA TCTTCTCAGA GCTCAAACCC
 4393 TGACAGAACAA CCAGCTCCAC AGGCCTTGGC TTCTGCTGAT GGTGCCGTGT ATTTACCAAGA
 4453 CTTAGTGGTC CAAGGCCAGA GTGGCAGATT TCCCAAAGTC AAGGTGTGAC AGTGGGACAG
 4513 CCTCTTTGTG TCTTGCTGT CCTAAGAAAC CTGGGCCAGG CCAGGCGCAG TGGCTCACGC
 4573 CTTGTAATCC CAGCACTTTG AGAGGCCAAG GTGGGCAGAT CACGAGGTCA GGAGTTGAG
 4633 ACCAGCCTGG CCAACATTGG TGAAACCCCTG TCTCTATTAA AAATAGAAAA CATTAGACAG
 4693 GTGTGGTGGT GCATGCCTGT AATCCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATCGCTT
 4753 GAACCCAGGA GGTGGAGGTT GCAGTGAGCC GAGATTGTGC CACTGCACTC CAGCCTAGGC
 4813 GACAGAGCAA GACTCCGTCT CGGGAAAATT AATTAATAAA TAAATAAACC TAGGTCCCAG
 4873 AGTCCCACAG AATGGCAGAC AGGAGCACCT GGGGGCTTTT AGGGTATGGC ATTTCCCTG
 4933 TACTAACTCT GGGCTGTCCA GAGGCAGATT CATGGCGTGG AGTGGAGAGG GAGGCAGCAC
 4993 AGGACTTCTC AGGCCTCAGC TCTCACCTGC CCATCTTTG ATTTCCAGGC AGTTAACATC
 5053 ACTGACCTGA GCGAGAACAG AAAGCAGGAC AAGCGCTTCG CCTTCATCCG CTCAGACAGT
 5113 GGCCCCACCA CCAGTTTGA GTCTGCCGCC TGCCCCGGTT GGTCCTCTG CACAGCGATG
 5173 GAAGCTGACC AGCCCCTCAG CCTCACCAAT ATGCCTGACG AAGGCCTCAT GGTACCAAAA
 5233 TTCTACTTCC AGGAGGACGA GTAGTACTGC CCAGGCCTGC CTGTTCCCAT TCTGATGG
 5293 CAAGGACTGC AGGGACTGCC AGTCCCCCTG CCCCAGGGCT CCCGGCTATG GGGGCACTGA
 5353 GGACCAAGCA TTGAGGGGTG GACCCTCAGA AGGCCTCACAA ACAACCTGGT CACAGGACTC
 5413 TGCCTCCTCT TCAACTGACC AGCCTCCATG CTGCCTCCAG AATGGTCTTT CTAATGTGTG
 5473 AATCAGAGCA CAGCAGCCCC TGACACAAAGC CCTTCCATGT CGCCTCTGCA TTCAGGATCA
 5533 AACCCCGACC ACCTGCCAA CCTGCTCTCC TCTTGCCACT GCCTCTTCCCT CCCTCATTCC
 5593 ACCTTCCCAT GCCCTGGATC CATCAGGCCA CTTGATGACC CCCAACCAAG TGGCTCCCAC
 5653 ACCCTGTTT ACAAAAAAGA AAAGACCAGT CCATGAGGGA GTTTTTAAG GGTTTGTGGA
 5713 AAATGAAAAT TAGGATTCA TGATTTTTT TTTTCAGTCC CCGTGAAGGA GAGCCCTCA
 5773 TTTGGAGATT ATGTTCTTTC GGGGAGAGGC TGAGGACTTA AAATATTCT GCATTGTGA
 5833 AATGATGGTG AAAGTAAGTG GTAGCTTTTC CCTTCTTTT CTTCTTTTT TGTGATGTCC
 5893 CAACTTGAA AAATAAAAG TTATGGTACT ATGTTAGCCC CATAATTCTT TTTTCCTT

Fig. 5 (cont.)

5953 TAAAACACTT CCATAATCTG GACTCCTCTG TCCAGGCACT GCTGCCAGC CTCCAAGCTC
6013 CATCTCCACT CCAGATTTT TACAGCTGCC TGCACTACTT TACCTCCTAT CAGAAGTTTC
6073 TCAGCTCCCA AGGCTCTGAG CAAATGTGGC TCCTGGGGGT TCTTCTTCC TCTGCTGAAG
6133 GAATAAATTG CTCCTTGACA TTGTAGAGCT TCTGGCACTT GGAGACTTGT ATGAAAGATG
6193 GCTGTGCCTC TGCCTGTCTC CCCACCAGGC TGGGAGCTCT GCAGAGCAGG AAACATGACT
6253 CGTATATGTC TCAGGTCCCT GCAGGGCCAA GCACCTAGCC TCGCTCTTGG CAGGTACTCA
6313 GCGAATGAAT GCTGTATATG TTGGGTGCAA AGTCCCTAC TTCCCTGTGAC TTCAGCTCTG
6373 TTTTACAATA AAATCTTCAA AATGCCTATA TTGTTGACTA TGTCCTTGGC CTTGACAGGC
6433 TTTGGGTATA GAGTGCTGAG GAAACTGAAA GACCAATGTG TYTTYCTTAC CCCAGAGGCT
6493 GGCGCCTGGC CTCTTCTCTG AGAGTTCTT TCTTCCTTCA GCCTCACTCT CCCTGGATAA
6553 CATGAGAGCA AATCTCTCTG CGGGG

Fig. 5 (cont.)